

# Hackathon Project Ideas

Check out the Hackathon Project Ideas for students:

## Social Impact Projects

1. Lost pet finder using local networks
2. Elderly neighbor help request platform
3. School supply sharing network builder
4. Food waste reduction meal planner
5. Emergency shelter spot locator system
6. Medical supply donation matcher tool
7. Community clean-up event organizer app
8. Local volunteer skill exchange platform
9. Free tutoring session connector tool
10. Used book exchange network creator
11. Disability-friendly route mapping system
12. Local produce sharing coordinator app
13. Emergency language translation helper tool
14. Community tool lending library manager
15. Neighbor care calendar coordination system

## Environmental Solutions

16. Smart water leak detection network
17. Solar panel sharing program tracker
18. Recycling reward points calculator
19. Composting progress monitoring system
20. Rainwater collection efficiency tracker
21. Green transport route optimization tool
22. Energy usage comparison game maker
23. Tree planting progress mapping system
24. Beach cleanup coordination platform
25. Wildlife spotting data collection tool
26. Garden produce swap marketplace creator
27. Plastic-free shopping guide mapper
28. Carbon footprint reduction game builder
29. Home energy saving challenge tracker
30. Resource sharing network organizer

## Health and Wellness

31. Sleep cycle optimization helper
32. Workout buddy matching system
33. Healthy recipe swap network
34. Mental wellness check-in tracker

35. Medication reminder scheduling tool
36. Hydration monitoring game maker
37. Local sports team finder app
38. Stress relief activity suggester
39. Group exercise challenge creator
40. Nutrition planning helper system
41. Physical therapy progress tracker
42. Mindfulness session scheduling platform
43. Home workout equipment sharer
44. Health goal accountability matcher
45. Dietary restriction meal planner

## Education Tools

46. Homework help request matcher
47. Study group formation platform
48. Flash card sharing network
49. Learning pace tracking system
50. Subject expert finder tool
51. Quiz creation helper platform
52. Educational resource sharing network
53. Project collaboration team builder
54. Virtual study room creator
55. Learning schedule optimizer
56. Knowledge exchange marketplace system
57. Concept visualization tool maker
58. Practice test generator platform
59. Student mentor matching system
60. Learning progress game creator

## Local Business Support

61. Shop local reward tracker
62. Small business promotion network
63. Local event discovery platform
64. Customer loyalty program builder
65. Business networking meetup organizer
66. Local marketplace creator system
67. Shop inventory sharing platform
68. Business skill exchange network
69. Local delivery route optimizer
70. Customer feedback collection tool
71. Business resource sharing platform
72. Local job board creator
73. Business mentor matching system
74. Local service exchange network
75. Small business collaboration platform

## Transportation Solutions

76. Bike route safety mapper
77. Carpool matching system creator
78. Public transit delay alerter
79. Parking spot finder network
80. Traffic pattern analyzer tool
81. School bus route optimizer
82. Shared vehicle booking system
83. Walking group organizer platform
84. Electric vehicle charger locator
85. Transport cost comparison tool
86. Ride sharing coordination system
87. Transport accessibility mapper
88. Vehicle maintenance reminder platform
89. Traffic congestion predictor tool
90. Alternative route suggester system

## Home Management

91. Smart grocery list maker
92. Home repair helper network
93. Chore schedule coordination platform
94. Household budget tracking system
95. Room organization helper tool
96. Home maintenance reminder platform
97. Family calendar coordination system
98. Shared shopping list manager
99. Home inventory tracking tool
100. Utility usage monitoring platform
101. Home cleaning schedule maker
102. Family task assignment system
103. Home security check reminder
104. Household document organizer platform
105. Family meal planning helper

## Entertainment and Events

106. Local music event finder
107. Board game group matcher
108. Movie watching party organizer
109. Book club coordination platform
110. Event planning helper system
111. Group activity suggestion tool
112. Local talent showcase platform
113. Hobby group finder network
114. Social meetup coordination system
115. Entertainment recommendation platform

116. Group ticket booking helper
117. Event calendar sharing tool
118. Local festival discovery system
119. Group outing planner platform
120. Entertainment cost sharing calculator

## Hackathon Project Ideas for Web Development

1. **Handmade Crafts Marketplace:** A website to buy and sell handmade crafts.
2. **Virtual Event Platform:** A site with rooms for online events and networking.
3. **Recipe Sharing Site:** A place to share recipes and find ingredient swaps.
4. **Web-Based Code Editor:** A tool for coding with others online.
5. **Interactive Timeline Creator:** A tool for making historical event timelines.
6. **Online Puzzle Maker:** A site to create and share puzzles.
7. **Accessibility Checker:** A tool to check and fix website accessibility issues.
8. **Drag-and-Drop Website Builder:** A simple tool to build websites without coding.
9. **Virtual Art Gallery:** An online gallery to display new artists' work.
10. **Online Book Exchange:** A forum to swap books and discuss them.
11. **Web-Based Music Collaborator:** A platform for remote bands to make music together.
12. **Fantasy Map Creator:** A tool for making maps for fantasy worlds.
13. **Online Talent Show Platform:** A site to host talent shows with voting.
14. **Web-Based Board Game:** An online board game that multiple people can play.
15. **Newsletter Creator:** A tool to create and send newsletters.
16. **Virtual Trade Show Booth Designer:** A tool for designing virtual trade show booths.
17. **Online Debate Platform:** A site for debates with tools for checking facts.
18. **Web-Based Video Editor:** An online video editor with templates.
19. **Interactive Storytelling Platform:** A site to create stories with different choices.
20. **Virtual Escape Room Designer:** A tool to design and host online escape rooms.
21. **Online Workshop Platform:** A site for online workshops and group talks.
22. **Web-Based Podcast Creator:** A tool for creating and hosting podcasts online.
23. **Virtual Pet Adoption Simulator:** A site to adopt and care for virtual pets.
24. **Online Plant Identifier:** A guide to identify and care for plants.
25. **Group Decision-Making Tool:** A tool for groups to make decisions together.

## Hackathon Project Ideas for College Students

26. **Study Group Finder:** A tool to find and organise study groups.
27. **Textbook Exchange Platform:** A site to swap textbooks with other students.
28. **Campus Event Discovery App:** An app to find events on campus.
29. **Dorm Room Decorator:** A tool to preview dorm room decorations using AR.
30. **College Budget Planner:** An app to plan and track college budgets.
31. **Virtual Campus Tour Creator:** A tool to make virtual tours of college campuses.
32. **Class Schedule Optimizer:** An app to organise and improve class schedules.
33. **Professor Rating Aggregator:** A site to gather reviews of professors.
34. **Internship Finder:** A tool to find internship opportunities.

35. **College Life Hacks Platform:** A place to share tips for college life.
36. **Campus Parking Spot Finder:** An app to find parking spots on campus.
37. **Student Mental Health Hub:** A resource centre for mental health support.
38. **College Sports App:** An app for college sports fans.
39. **Sustainability Tracker:** A tool to track campus sustainability projects.
40. **Student Business Directory:** A directory of businesses run by students.
41. **Citation Generator:** A tool to create and organise academic citations.
42. **Group Project Manager:** A tool to manage tasks in group projects.
43. **College Cooking Recipes:** A collection of easy recipes for college students.
44. **Campus Safety App:** An app with emergency alerts for campus safety.
45. **Student Artwork Marketplace:** A site to sell student artwork.
46. **College Radio Streaming:** A platform to stream college radio stations.
47. **Exam Study Schedule Creator:** A tool to plan study schedules for exams.
48. **Student Housing Finder:** A site to review and find student housing.
49. **Club and Organization Matchmaker:** A tool to match students with clubs.
50. **Alumni Networking Platform:** A site for networking and mentorship with alumni.

## Hackathon Project Ideas for ECE Students

51. **Smart Home Energy Monitor:** A tool to track and improve home energy use.
52. **DIY Electronics Project Instructions:** A site for instructions on DIY electronics projects.
53. **Circuit Simulator:** A tool to simulate and test electronic circuits.
54. **Robot Controller with Hand Gestures:** A controller for robots using hand movements.
55. **Solar Panel Efficiency Calculator:** A tool to calculate how well solar panels work.
56. **Wireless Charging Station Locator:** A tool to find places with wireless chargers.
57. **Electronic Music Synthesizer App:** An app to create electronic music.
58. **Power Grid Simulation Game:** A game to simulate managing a power grid.
59. **PCB Designer with Component Suggester:** A tool to design PCBs with component suggestions.
60. **IoT Device Manager:** A tool to manage smart home devices.
61. **Electric Vehicle Range Estimator:** A tool to estimate how far an electric vehicle can go.
62. **Logic Gate Puzzle Game:** A game with puzzles about logic gates.
63. **Smartphone-Based Oscilloscope:** An app to turn your phone into an oscilloscope.
64. **Automated Plant Watering System Controller:** A controller for automatically watering plants.
65. **Voice-Controlled LED Light Show:** A tool to create light shows controlled by voice.
66. **Digital Signal Processing Visualizer:** A tool to visualise digital signal processing.
67. **Drone Flight Path Programmer:** A tool to program drone flight paths.
68. **Microcontroller Coding Tutorial Platform:** A site for learning [microcontroller](#) coding.
69. **Electronic Component Identifier:** A tool to identify electronic components from images.
70. **Home Automation Script Creator:** A tool to create scripts for home automation.
71. **Battery Life Optimizer:** A tool to extend the battery life of mobile devices.

72. **Amateur Radio Contact Logger:** A log for keeping track of amateur radio contacts.
73. **Electrical Safety Quiz Game:** A game to test knowledge about electrical safety.
74. **Noise Cancellation Algorithm Tester:** A tool to test noise cancellation algorithms.
75. **DIY Security System Designer:** A tool to design DIY home security systems.